

**marantz**®

**Model PM7000/PM8000 User Guide**

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**Integrated Amplifier**

## ENGLISH

### WARRANTY

Contact your local Marantz distributors for warranty information.

### RETAIN YOUR RECEIPT AS PROOF OF PURCHASE

Your receipt is proof of a valuable purchase. Keep it in a safe place where you can easily find it for filing insurance claims when necessary or when corresponding with Marantz.

### IMPORTANT

It is the responsibility of the consumer to establish proof of purchase when seeking servicing covered by the warranty. Your receipt or invoice is valid as such proof.

### U.K. ONLY

This undertaking is in addition to a consumer's statutory rights and does not affect those rights in any way.

## FRANÇAIS

### GARANTIE

Veuillez contacter les revendeurs Marantz locaux pour de plus amples informations concernant la garantie.

### CONSERVER LE TICKET DE CAISSE COMME PREUVE D'ACHAT

Le ticket de caisse représente la preuve d'un achat de valeur. Le conserver dans un endroit sûr, où il peut être retrouvé aisément, afin d'introduire les revendications éventuelles auprès des assurances ou auprès de Marantz, le cas échéant.

### IMPORTANT

Il incombe au consommateur d'établir la preuve de son achat, à l'aide du ticket de caisse ou de la facture, lors de la demande d'interventions couvertes par la garantie.

## DEUTSCH

### GARANTIE

Wenden Sie sich bezüglich Informationen zur Garantie an Ihren örtlichen Marantz-Händler.

### BEWAHREN SIE ALS KAUFNACHWEIS IHRE KAUFQUITTUNG AUF

Ihre Quittung bzw. Rechnung ist ein Beweis für Ihren wertvollen Kauf. Bewahren Sie diese an einem sicheren Ort auf, wo Sie sie im Fall eines Versicherungsschadens oder bei der Korrespondenz mit Marantz leicht wiederfinden können.

### WICHTIG

Es liegt in der Verantwortung des Käufers, den Kaufnachweis zu liefern, wenn Garantiereparaturen in Anspruch genommen werden sollen. Ihre Quittung oder Rechnung dient als ein solcher Nachweis.

## NEDERLANDS

### GARANTIE

Neem contact op met de Marantz distributeurs in uw buurt voor informatie over de garantie.

### BEWAAR UW REÇU ALS AANKOOPBEWIJS.

Uw reçu is het bewijs dat u een waardevol product heeft gekocht. Berg het veilig op, zodat u het snel terug kunt vinden als u een verzekeringsclaim moet indienen of voor uw correspondentie met Marantz.

### BELANGRIJK

De klant is verantwoordelijk voor het tonen van een aankoopbewijs wanneer het apparaat onder garantie moet worden gerepareerd. Uw reçu of uw factuur is een geldig aankoopbewijs.

## ESPAÑOL

### GARANTÍA

Consulte a su distribuidor local de Marantz si desea más información

sobre la garantía.

### CONSERVE EL RECIBO COMO PRUEBA DE COMPRA

Su recibo constituye la prueba de compra. Guárdelo en un lugar seguro donde pueda hallarlo fácilmente en caso de que lo necesite para presentar una reclamación de garantía o mantener algún tipo de correspondencia con Marantz.

### IMPORTANTE

Es responsabilidad del consumidor presentar la prueba de compra siempre que solicite alguna reparación cubierta por la garantía. La factura o el recibo son documentos válidos como prueba de compra.

## ITALIANO

### GARANZIA

Contattare i distributori Marantz della zona dell'utente per informazioni sulla garanzia.

### CONSERVARE LA RICEVUTA COME PROVA D'ACQUISTO

La ricevuta comprova un acquisto di valore. Conservarla in un luogo sicuro e facilmente reperibile per intraprendere dei reclami, ove necessario, o quando ci si rivolga alla Marantz.

### IMPORTANTE

L'utente ha la responsabilità di produrre una prova d'acquisto se vuole servirsi dell'assistenza coperta da garanzia. La ricevuta o la fattura è valida in questo senso.

## PORTUGUÊS

### GARANTIA

Para informações sobre a garantia, contacte o concessionário local Marantz.

### GUARDE O TALÃO DE COMPRA COMO PROVA

O talão de compra é a prova de ter comprado qualquer coisa de valor. Guarde-o em lugar seguro, pois pode precisar dele para obter uma cobertura de seguro ou no âmbito de correspondência com Marantz.

### IMPORTANTE

Para obter um serviço coberto pela garantia, o cliente deve apresentar a prova e a data da compra. O talão ou a factura constituem provas suficientes.

## SVENSKA

### GARANTI

Kontakta din lokala Marantz-distributör för information om garantin.

### SPAR KVITTOT SOM INKÖPSBEVIS

Kvittot är ditt bevis för ett värdefullt inköp. Förvara det på en säker plats där du lätt kan hitta det för försäkringsfrågor eller korrespondens med Marantz.

### VIKTIGT

Kunden ansvarar för att uppvisa inköpsbevis när service begärs som täcks av garantin. Ditt kvitto eller faktura är ett giltigt inköpsbevis.

## DANSK

### GARANTI

Bed din Marantz-forhandler om oplysninger om garantien.

### GEM DIN KVITTERING SOM KØBSBEVIS

Din kvittering er bevis på et værdifuldt køb. Opbevar den på et sikkert sted, hvor du let kan finde den i forbindelse med eventuelle erstatningskrav eller korrespondance med Marantz.

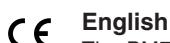
### VIGTIGT

Det er brugerens ansvar at forelægge købsbevis, hvis der er brug for det i garantiforbindelse. Din kvittering eller faktura er gyldige beviser.

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## CE MARKING



### **English**

The PM7000/PM8000 conforms with the EMC directive and low-voltage directive.



### **Français**

Le PM7000/PM8000 est conforme à la directive EMC et à la directive sur les basses tensions.



### **Deutsch**

Der PM7000/PM8000 entspricht den Bestimmungen über elektromagnetische Störfreiheit (EMC) und denen über Niederspannungsgeräte.



### **Nederlands**

De PM7000/PM8000 voldoet aan de EMC-richtlijn en aan de richtlijn voor laag voltage.



### **Español**

El modelo PM7000/PM8000 cumple la directiva EMC y a la directiva sobre baja tensión.



### **Italiano**

Il PM7000/PM8000 è conforme alla direttiva EMC e alla direttiva sul basso voltaggio.



### **Português**

O PM7000/PM8000 é conforme às Directivas relativas à EMC e à baixa tensão.



### **Svenska**

PM7000/PM8000 uppfyller direktiven angående elektromagnetisk kompatibilitet och lågspänning.



### **Dansk**

PM7000/PM8000 overholder EMC-direktivet og lavspændingsdirektivet.

### **English**

To ventilate the unit, do not install the unit in a rack or bookshelf, and note the followings.

- Do not insert objects beneath the unit.
- Do not block the ventilation slots at the top of the unit.
- Do not place anything about 1 meter above the top panel.
- Make a space of about 0.2 meter around the unit.

### **Français**

Pour que l'appareil puisse être correctement ventilé, ne pas l'installer dans un meuble ou une bibliothèque et respecter ce qui suit.

- Ne placer aucun objet sous l'appareil.
- Ne pas obstruer les ouïes de ventilation du panneau supérieur. Ne placer aucun objet à moins d'un mètre environ du panneau supérieur.
- Veiller à ce qu'aucun objet ne soit à moins de 0.2 mètre des côtés de l'appareil.

### **Deutsch**

Um eine einwandfreie Belüftung des Geräts zu gewährleisten, darf das Gerät nicht in einem Gestell oder Bücherregal aufgestellt werden; die folgenden Punkte sind besonders zu beachten:

- Keine Gegenstände in das Gerät einführen.
- Die Belüftungsschlitzte an der Oberseite des Geräts dürfen nicht blockiert werden. Darauf achten, daß über dem Gerät ein Freiraum von mindestens 1 meter vorhanden ist.
- Auf allen Gerätereiten muß ein Zwischenraum von ungefähr 0.2 meter vorhanden sein.

### **Nederlands**

Installeer het toestel niet in een rek of boekenkast waar de ventilatie mogelijk wordt gehinderd. Let tevens op de volgende punten:

- Plaats geen onderwerpen onder het toestel.
- Blokkeer de ventilatie-openingen aan de bovenkant van het toestel niet.
- Zorg dat er tenminste 1 meter vrije ruimte boven het toestel is.
- Zorg dat er 0.2 meter vrije ruimte rond het toestel is.

### **Español**

Para ventilar la unidad no la instale en una estantería ni estante para libros, y tenga en cuenta lo siguiente:

- No ponga objetos debajo de la unidad.
- No tape las ranuras de ventilación de la parte superior de la unidad. No ponga nada a menos de 1 metro por encima del panel superior.
- Deje un espacio de unos 0.2 metro alrededor de la unidad.

### **Italiano**

Perch é l'unità possa essere sempre ben ventilata, non installarla in scaffali o librerie e tenere presente quanto segue:

- Non inserire oggetti al di sotto dell'unità.
- Non bloccare le fessure di ventilazione sopra l'unità.
- Non posare nulla per circa un metro sopra il pannello superiore.
- Lasciare 0.2 metro liberi tutto intorno l'unità.

### **Português**

Para ventilar o aparelho, não instalá-lo dentro duma estante ou algo similar, e observar as seguintes recomendações:

- Não inserir objectos debaixo do aparelho.
- Não bloquear as aberturas de ventilação na parte de cima do aparelho. Deixar um espaço completamente livre de cerca de 1 metro acima do painel superior.
- Deixar um espaço de cerca de 0.2 metro ao redor do aparelho.

### **Svenska**

För att ventilaera enheten, ställ den inte i ett ställ eller bokhylla och tänk på följande.

- Stick inte in föremål under enheten.
- Blockera inte ventilaionshålen ovanpå enheten.
- Placer inte nägonting närmare än 1 meter ovanför apparaten eller enheten.
- Se till att det finns omkring 0.2 meter fri plats runt omkring enheten.

### **Dansk**

Anbring ikke apparatet i et rack eller en boghytte, da dette kan bloke luftcirkulationen omkring apparatet. lagttag ligeledes følgende:

- Stik ikke genstande ind under apparatet.
- Bloker ikke ventilationsåbningerne ovenpå apparatet.
- Anbring ikke noget nærmere end 1 m over apparatets overside,
- Sørg for, at der er et fri område på omkring 0,2 m omkring apparatet.

## FOREWORD

Be sure to read this section before any connection to the mains supply.

### WARNINGS

- Never expose the amplifier to rain or moisture.
- Never remove the amplifier's cover.
- Never insert anything into the amplifier's vents.
- Never handle the mains lead while your hands are wet.

## EQUIPMENT MAINS WORKING SETTING

This Marantz product is available in two different variations, depending on geographical area. One variation has a preset mains voltage (230V for General Europe model and U.K. model), while the other variation features variable voltage that can be selected using a voltage selector on rear panel (110V, 120V, 220V, 240V).

The voltage selector must be set for your local mains voltage before any connection to the mains supply. If you need to change its voltage setting, consult your dealer your local Marantz service provider.

### IMPORTANT: (FOR U.K. MODEL)

This apparatus is fitted with an approved moulded 13 Amp plug.

To change a fuse in this type of plug proceed as follows:

1. Remove fuse cover and fuse.
2. Fix new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

If the fitted plug is not suitable for your socket outlets, it should be cut off and an appropriate plug fitted in its place.

If the mains plug contains a fuse, this should have a value of 5A. If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5A.

### NOTE:

The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13A socket elsewhere.

### HOW TO CONNECT A PLUG (FOR U.K. MODEL)

The wires in the mains lead are coloured in accordance with the following code:

BLUE—"NEUTRAL" ("N")

BROWN—"LIVE" ("L")

1. The BLUE wire must be connected to the terminal which is marked with the letter "N" or coloured BLACK.
2. The BROWN wire must be connected to the terminal which is marked with the letter "L" or coloured RED.
3. Do not connect either wires to the earth terminal in the plug which is marked by the letter "E" or by the safety earth symbol  $\pm$  or coloured green or green-and-yellow.

Before replacing the plug cover, make certain that the cord grip is clamped over the sheath of the lead—not simply over the two wires.

### COPYRIGHT

Recording and playback of any material may require previous consent. Refer to the following for further information.

- Copyright Act 1956
- Dramatic and Musical Performers Act 1958
- Performers Protection Acts 1963 and 1972
- Any subsequent statutory enactments and orders

### ABOUT THIS USER'S GUIDE

Figure numbers refer to the illustrations located at the back of this User's Manual. Numbers assigned to parts and controllers match the callout numbers used inside the illustrations.

**ALL UPPER-CASE BOLD** type indicates the name of a connection or controller as it is actually marked on the amplifier.

## PRECAUTIONS

Note the following important precautions whenever operating the amplifier.

### SELECTING A LOCATION

Take a few moments to consider the following points before choosing a place for the amplifier.

- Make sure ventilation holes are not blocked or covered.
- Ensure that air can circulate freely around the amplifier.
- Locate the amplifier on a surface that is free of vibration.
- Choose a place where the amplifier will not be exposed to interference from an external source.
- Avoid excessive heat, cold, moisture, and dust.
- Keep the amplifier out of direct sunlight.
- Do not locate the amplifier where it will be exposed to electrostatic charge.

### GENERAL SAFETY PRECAUTIONS

- Never place heavy objects on top of the amplifier.
- Should foreign matter or water get into the interior of the amplifier, immediately turn it off and contact your original dealer or Marantz service provider.
- Never pull on the mains lead when unplugging the amplifier. Grasp the plug itself.
- It is always a good idea to disconnect the amplifier from the mains supply whenever leaving it unattended for long periods or during thunderstorms.

## CONNECTIONS

### (Figure 1)

#### CONNECTING A TUNER

Connect the output jacks of your stereo tuner to the **TUNER** jacks of this amplifier.

#### CONNECTING A COMPACT DISC PLAYER

Connect the output jacks of your CD player to the **CD** jacks of this amplifier.

#### CONNECTING A TURNTABLE

Connect the L (Left) output cord of the turntable to the "**L**"**PHONO** jack of this amplifier, and the R (Right) output cord to the "**R**"**PHONO** jack. If the turntable has a ground wire, make sure you connect it to the GND terminal of this amplifier. The **GND** terminal does not need to be connected if the turntable does not have a ground wire.

#### CONNECTING A TAPE DECK

Connect the IN (recording input) jacks of the tape recorder to the **TAPE OUT** jack of this amplifier, and the OUT (playback output) jacks of the tape recorder to the **TAPE IN** jack.

#### CONNECTING A PROCESSOR

Connect the IN jacks of the processor to the **PROCESSOR OUT** jack of this amplifier, and the OUT jacks of the processor to the **PROCESSOR IN** jack. When not used, leave these jacks connected with the supplied connecting pins.

#### CONNECTING A SPEAKER SYSTEM

Your amplifier has two sets of **SPEAKER SYSTEM** terminals, which means you can connect either one or two speaker systems.

#### NOTE:

Turn the knobs on the speaker terminals by hand. (Do not use a tool to turn the knobs.)

#### • Connecting One Speaker System

Note the following points when connecting a single speaker system.

- The impedance of each speaker should be between 8 and 16

ohms. Connecting a speaker with impedance less than 8 ohms can cause activation of the amplifier's protection circuitry during play, making normal stereo playback impossible.

- Connect the right channel speaker to the amplifier's **R** terminals, and the left channel speaker to the **L** terminals.
- The output terminals have positive (+: red) and negative (-: black) polarity. Each speaker must also have the same polarity (+/-). Be sure to match the polarity of the amplifier with that of the speakers (+ with +, - with -) when making connections.

#### • Connecting Two Speaker Systems

Make sure that the impedance of each speaker is at least 16 ohms. Connecting a speaker with impedance less than 16 ohms can cause activation of the amplifier's protection circuitry during play, making normal stereo playback impossible.

## CONTROLS, CONNECTORS, AND INDICATORS

(Figure 2)

#### ① REMOTE CONTROL BUS TERMINALS (REMOTE CONT. BUS)

These terminals can be used to connect other audio equipment that is equipped with a remote control bus terminal. Connection requires a special cable. The bus **OUT** terminal sends signal to the connected equipment, while the bus **IN** terminals receive signals.

#### ② AUX1/AUX2 INPUT JACKS

These auxiliary input jacks can be used to connect the audio output of a **TV** multiplex/stereo audio tuner, **VCR**, laserdisc system, or other **AV** component audio output.

#### ③ TUNER INPUT JACKS

Connect these jacks to the output jacks of your tuner.

#### ④ CD INPUT JACKS

Connect these jacks to the output jacks of your compact disc player.

#### ⑤ PHONO INPUT JACKS

Connect these jacks to the output jacks of your turntable. These input jack are exclusive for a turntable equipped with MM (Moving Magnet) cartridge.

#### ⑥ TAPE / CD-R/MD IN/OUT JACKS

Connect these jacks to the play (output) and record (input) jacks of your recorders. Up to two decks can be connected.

#### ⑦ PROCESSOR IN/OUT JACKS

Use these jacks to connect a graphic equalizer or other analog audio processor. When not used, leave these jacks connected with the supplied connecting pins.

#### ⑧ GROUND TERMINAL

If your turntable has a grounding wire, connect it to this terminal.

#### ⑨ SPEAKER SYSTEMS

Connect your speaker system(s) to these terminals. There are two sets of terminals, so you can connect either one or two speaker systems.

#### ⑩ AC OUTLETS (SWITCHED)

Connect the power cord of another piece of equipment (VCR, tuner, CD) when you want the power of the connected equipment automatically turned on whenever you turn on this amplifier. For this to work correctly, the power switch of the connected equipment must be left on. Normally, the audio output of the connected equipment is also connected to this amplifier. Note that the total power consumption of the connected all equipment must not exceed 100W.

#### ⑪ POWER CORD

Connect the power cord to a standard household power outlet.

#### ⑫ POWER SWITCH

Press this switch to turn power on (depressed) and off (raised). Note that the power of any equipment connected to the switched AC outlet on the rear panel (see 10 above) is also turned on and off by operating this switch.

Turning on the power causes the **POWER** indicator to light, and the **POWER** indicator goes out when power is turned off.

While the **POWER** switch is in the ON position (depressed), you can put use the remote control unit's **SYSTEM POWER ON** and **OFF** button to switch the amplifier between standby (indicated when the **STANDBY** indicator is lit) and power on.

#### ⑬ CLASS A INDICATOR (PM8000 ONLY)

This indicator lights when the amplifier is in the Class A operation mode. See "⑯ Class A Switch" for details.

#### ⑭ TAPE,CD-R/MD SELECTOR BUTTONS

Press one of these switches to select a connected tape deck or CD-R(MD) for monitoring or playback. Pressing a tape,CD-R/MD selector switch causes the indicator above it to light.

Pressing a **TAPE,CD-R/MD SELECTOR** button while the amplifier is in the Standby Mode automatically turns power back on.

#### ⑮ INPUT SELECTOR

Use this selector to specify **PHONO**, **CD**, **TUNER**, **AUX 1**, or **AUX 2** as the program source for recording or play. Selecting a program source causes the indicator above it to light.

Changing the **INPUT SELECTOR** setting while the amplifier is in the Standby Mode automatically turns power back on.

#### ⑯ REMOTE SENSOR

The remote sensor receive infrared commands from the remote control unit. Note that the remote control unit must be pointed directly at the remote sensor for proper operation.

#### ⑰ VOLUME CONTROL

Rotate this knob clockwise to increase volume, and counter-clockwise to decrease volume.

#### ⑱ MUTING INDICATOR

This indicator lights when muting is activated by pressing the remote control unit's **MUTING** button.

#### IMPORTANT:

Be sure to double check the **VOLUME** control setting before pressing the remote control unit's **MUTING** button to cancel muting. Restoring audio output while the **VOLUME** control setting is too high can damage your speakers.

#### ⑲ BALANCE CONTROL

Rotate this knob to shift the balance of stereo output left and right. Note that turning the **BALANCE** control all the way in either direction causes output from the other side to be eliminated entirely.

#### ⑳ RECORD (REC) SELECTOR SWITCH

Use this switch to select recording between the tape deck and CD-R(MD) or recording of the signs selected by the **INPUT SELCTOR SWITCH** and out put from the **REC OUT** jacks.

See the note under "Tape Deck CD-R(MD) Operation" on page 6 for full details about settings.

#### ㉑ SOURCE DIRECT SWITCH

Press this switch to turn source direct on (depressed) and off (raised). When source direct is turned on, the audio signal path is as short and direct as possible in order to enjoy high-quality sources under the best conditions possible.

#### NOTE:

Tape and CD-R(MD) playback and recording are not possible when the **SOURCE DIRECT** switch is on. The **TONE** and **BALANCE** controls are also disabled. Any graphic equalizer or other such component that is connected to the **PROCESSOR IN/OUT** jacks will not have any effect. In order to use any of these components or controls, it is necessary to turn the **SOURCE DIRECT** switch off.

## OPERATION

### ㉙ BASS AND TREBLE TONE CONTROLS

Use these controls to control the levels of their corresponding frequency bands. **TREBLE** adjusts the high frequency band, while **BASS** adjusts the low frequency band. Rotating a control towards (+) enhances the frequency band, while rotating towards (-) attenuates the frequency band.

### ㉚ CLASS A SWITCH (PM8000 ONLY)

Press this switch while amplifier power is turned off to switch between Class A (25W, 8 ohms) and Class AB (95W, 8 ohms) amplifier operation. The **CLASS A** indicator is lit while **CLASS A** operation is selected, and Class AB operation is indicated when the **CLASS A** indicator is not lit. Remember that switching between **CLASS A** and Class AB is valid only while amplifier power is turned off.

#### IMPORTANT:

The top cover may become hot during **CLASS A** operation, but this does not indicate malfunction. Note, however, that you should never place anything on top of this amplifier. Doing so can block ventilation holes, resulting in a build up of heat and malfunction or damage to the amplifier.

### ㉛ SPEAKER SWITCHES 1/2

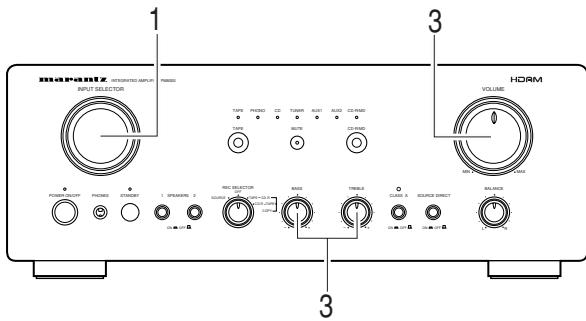
Use these switches to turn speaker output on (depressed) and off (raised). You can turn off speaker output when listening to output over headphones.

### ㉜ PHONES JACK

Use the jack to plug in headphones that are equipped with a standard phone jack.

### ㉝ STANDBY INDICATOR

This indicator is lit while the amplifier is in the Standby Mode. Pressing the remote control unit's **POWER** buttons switches the amplifier between standby and power on.



### ㉞ Perform the applicable operation on the connected equipment.

(Illustration: PM8000)

#### TO PLAY AN ANALOG RECORD

1. Set **INPUT SELECTOR** to **PHONO**.
2. Play the record on the turntable.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

#### NOTE:

- Be sure the set **VOLUME** to its minimum setting before placing the stylus onto the record or before replacing the turntable's cartridge.
- Never subject the turntable to shock or vibration while a record is playing. This can cause the stylus to jump and possibly damage the record.
- Locating your turntable too close to the speakers can cause howling, which will make it impossible to use higher volume settings.
- Never turn off power while the stylus is in contact with the surface of the record.

#### TO LISTEN TO AN FM/AM BROADCAST

1. Set **INPUT SELECTOR** to **TUNER**.
2. Tune in the desired station on the tuner.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

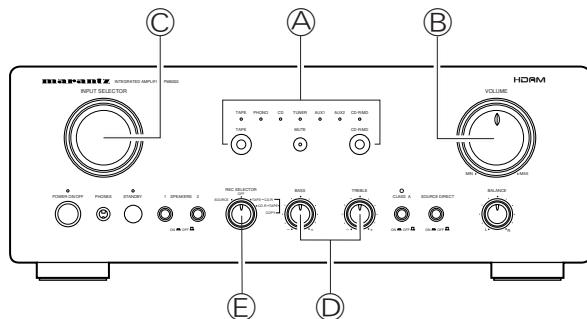
#### TO PLAY A COMPACT DISK

1. Set **INPUT SELECTOR** to **CD**.
2. Play a CD on the CD player.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

#### TO PLAY EQUIPMENT CONNECTED TO THE AUX 1 OR AUX 2 JACKS

1. Set **INPUT SELECTOR** to **AUX1** or **AUX2**.
2. Set up the connected equipment for play.
3. Use **VOLUME** to adjust volume, and **BASS** and **TREBLE** to adjust the tone.

## TAPE DECK CD-R(MD) OPERATION



**Perform the applicable operation on the connected tape deck.**

(Illustration: PM8000)

### TO PLAY BACK FROM A TAPE

1. Press **TAPE** **A** to the indicator above the switch is lit.
2. Play a tape on the tape deck.
3. Use **VOLUME** **B** to adjust volume.
4. Use **BASS** and **TREBLE** **D** to adjust the tone.

#### NOTE:

You can play back from a tape regardless of the **INPUT SELECTOR** **C** setting.

### TO RECORD TO A TAPE

1. Set **INPUT SELECTOR** **C** to **PHONO**, **CD**, **TUNER**, **AUX 1**, or **AUX 2** to select the source you want to record from.
2. Use the **REC SELECTOR** **E** (see below) to specify the type of recording you want to perform.
3. Start play on the selected source.
4. Perform the applicable operation on the connected tape deck to record the output from the selected source.

### USING THE REC SELECTOR

Use the **REC SELECTOR** **E** to specify the type of recording you want to perform.

1. The **OFF** setting cuts off all signal output from the **REC OUT** jacks. Note that **REC SELECTOR** **E** should normally be in the **OFF** setting except when you are recording to tape. The **OFF** setting shortens the signal path within the amplifier, which minimizes crosstalk and other factors that can cause deterioration of the sound.
2. **SOURCE** sets up for recording the signal from the source selected by **INPUT SELECTOR** **C**.
3. **COPY** sets up for recording from **TAPE** to **CD-R**, or from **CD-R** to **TAPE**. You can listen to the output from another source while recording in the **COPY** position by selecting the source you want with **INPUT SELECTOR** **C**.

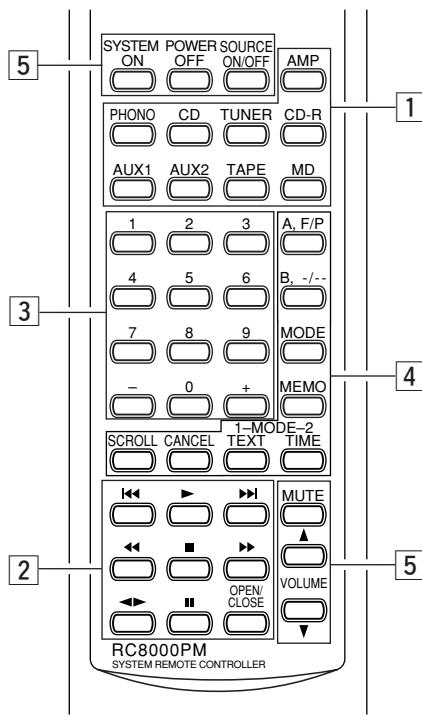
#### NOTE:

The **SOURCE DIRECT** switch must be turned off (raised) in order to record to a tape deck. Recording will not possible when **SOURCE DIRECT** is turned on (depressed).

## REMOTE CONTROL UNIT RC 8000PM

The RC8000PM remote control unit can be used to control any Marantz AV equipment that has a remote sensor, as well as other Marantz equipment connected to the main equipment's remote control bus. The buttons of the remote control unit are arranged on the control panel according to functional groups as shown in the illustration below.

See the relevant user manuals for details on combination equipment as operation content may differ depending on the equipment combined.



### 1 Amplifier Source Buttons\*

Use these buttons to select the amplifier's program source.

### 2 Player Operation Buttons

Use these buttons to control operation of a VCR, CD player, etc.

### 3 Numeric Key Pad

Use these buttons to input buttons for control of a tuner, CD player, etc.

### 4 Player/Tuner Auxiliary Operation Buttons

Use these buttons to control the mode switching and track jump operations of a tuner, CD, etc.

### 5 Amplifier Operation Buttons

Use these buttons to control power on/Standby, volume level, etc.

**SYSTEM POWER ON** : Power supply is ON for the Unit.

**SYSTEM POWER OFF** : Power supply is OFF for the Unit.

#### SOURCE ON/OFF :

Power supply is ON/OFF for equipment selected by the ① button.

**MUTE** : Mutes amp(this equipment's) sound.

**VOL ▲** : Increases this equipment's volume.

**VOL ▼** : Decreases this equipment's volume.

\* Pressing an amplifier source button in group ① to select a source causes the buttons in groups ②, ③ and ④ to take on functions to control the selected source equipment (except for PHONO and AMP button). The following tables shows the functions of buttons in these groups for each available amplifier source.

## CD BUTTON

The following are the functions assigned to control buttons after the **CD** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	Play
▶▶	Fast-forward
◀	Fast-reverse
◀▶	None
■	Stop
■■	Pause
OPEN/CLOSE	Open/Close
+	Next Track
-	Previous Track
A, F/P	Disc Select down
B, -/-	Disc Select up
MODE	Auto Music Scan (AMS)
MEMO	Store
TEXT (MODE 1)	Text
TIME (MODE 2)	Time
▶▶	Next Track
◀◀	Previous Track
SCROLL	Scroll
CANCEL	Cancel

## TUNER BUTTON

The following are the functions assigned to control buttons after the **TUNER** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	None
▶▶	Tuning up
◀	Tuning down
◀▶	None
■	None
■■	None
OPEN/CLOSE	None
+	Preset up
-	Preset down
A, F/P	Channel/Frequency/Program
B, -/-	1/2/3 Digits
MODE	Stereo/Mono
MEMO	Store
TEXT (MODE 1)	None
TIME (MODE 2)	None
▶▶	None
◀◀	None
SCROLL	Display
CANCEL	Cancel

**CD-R BUTTON**

The following are the functions assigned to control buttons after the **CD-R** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	Play
▶▶	Fast-forward
◀▶	Fast-reverse
◀▶	None
■	Stop
■■	Pause
OPEN/CLOSE	Open/Close
+	Next track
-	Previous track
A, F/P	None
B, -/-	None
MODE	Auto Music Scan (AMS)
MEMO	Store
TEXT (MODE 1)	Text
TIME (MODE 2)	Time
▶▶	Next track
◀▶	Previous track
SCROLL	Scroll
CANCEL	Cancel

**AUX 2 BUTTON**

The following are the functions assigned to control buttons after the **AUX 2** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	VCR Play
▶▶	VCR Fast-forward
◀▶	VCR Rewind
◀▶	VCR Play REV/Direction Switch
■	VCR Stop
■■	VCR Pause
OPEN/CLOSE	Tape Eject
+	Step up
-	Step down
A, F/P	Channel/Preset
B, -/-	1/2/3 Digits
MODE	Sound Select
MEMO	Store (Memo Rew.)
TEXT (MODE 1)	Text ↔ TV Station
TIME (MODE 2)	Scroll Display (Time)
▶▶	VCR Fast Run FWD
◀▶	VCR Fast Run REV
SCROLL	None
CANCEL	None

**AUX 1 BUTTON**

The following are the functions assigned to control buttons after the **AUX 1** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	VCR Play
▶▶	VCR Fast-forward
◀▶	VCR Rewind
◀▶	VCR Direction Switch
■	VCR Stop
■■	VCR Pause
OPEN/CLOSE	Tape Eject
+	Channel/Program up
-	Channel/Program down
A, F/P	Channel/Frequency/Program
B, -/-	1/2/3 Digits
MODE	Sound Select
MEMO	Store
TEXT (MODE 1)	TV Station ↔ Text
TIME (MODE 2)	Scroll Display (Time)
▶▶	VCR Fast Run FWD
◀▶	VCR Fast Run REV
SCROLL	None
CANCEL	None

**TAPE BUTTON**

The following are the functions assigned to control buttons after the **TAPE** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	Play
▶▶	Farst-forward
◀▶	Rewind
◀▶	Direction Switch
■	Stop
■■	Pause
OPEN/CLOSE	Eject
+	Next
-	Previous
A, F/P	Deck A
B, -/-	Deck B
MODE	Auto Music Scan (AMS)
MEMO	Store
TEXT (MODE 1)	Scroll Display (Text)
TIME (MODE 2)	Scroll Display (Time)
▶▶	Next
◀▶	Previous
SCROLL	None
CANCEL	Cancel

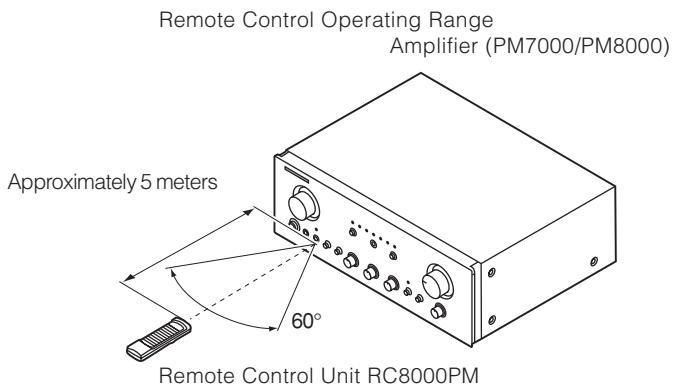
**MD BUTTON**

The following are the functions assigned to control buttons after the **MD** amplifier source button is pressed.

BUTTON NAME	FUNCTION
▶	Play
▶▶	Fast-forward
◀◀	Rewind
◀▶	Direction Switch
■	Stop
	Pause
OPEN/CLOSE	Eject
+	Next
-	Previous
A, F/P	Edit
B, --	Enter
MODE	Monitor
MEMO	Store
TEXT (MODE 1)	None
TIME (MODE 2)	Time
▶▶	Next
◀◀	Previous
SCROLL	Scroll
CANCEL	Delete

**USING THE REMOTE CONTROL UNIT**

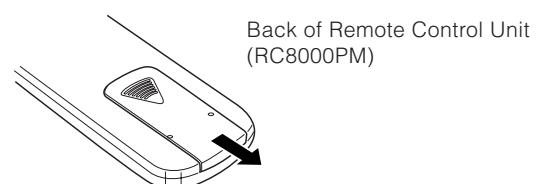
When operating the remote control unit (RC8000PM), point its transmitter directly at the remote sensor, which is located on the front of the amplifier. Make sure the remote control unit is no further than about 5 meters from the remote sensor. Remote control operation may not be possible if the remote control unit's transmitter is not pointing directly at the remote sensor, or if there is an obstruction between the transmitter and sensor.

**REMOTE CONTROL UNIT BATTERIES**

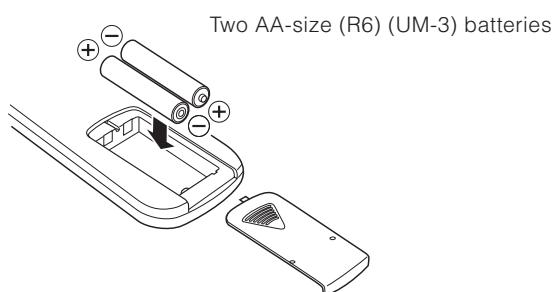
Remote control unit batteries should last for about one year under normal conditions. Replace batteries as soon as possible whenever they show signs of running low. Also, be sure to remove the batteries if you do not plan to use the remote control unit for a long time.

**TO LOAD REMOTE CONTROL UNIT BATTERIES**

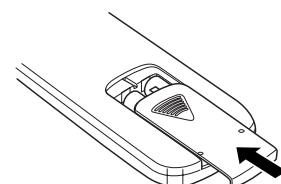
- (1) Remove the battery compartment cover.



- (2) Load two batteries, making sure their positive (+) and negative (-) ends are facing correctly.



- (3) Slide the battery compartment cover back into place and press until it clicks shut.



## CARE AND MAINTENANCE

This section describes care and maintenance that you must perform in order to make sure your Marantz amplifier performs at the level for which it is designed. Be sure to unplug the amplifier from the mains supply before any care and maintenance.

### NORMAL CLEANING

The exterior of your amplifier will last indefinitely with proper care and cleaning. For normal cleaning, wipe exterior surfaces with a soft, lint-free cloth.

### IMPORTANT:

Any of the following will mar the finish of your amplifier and should never be used for cleaning.

- Scouring pads, steel wool, abrasive powders
- Harsh chemical agents (such as a lye solution)
- Alcohol, thinners, benzine, insecticide, or other volatile agents.

### SPECIAL CLEANING

Should your amplifier ever become so soiled that normally cleaning is not enough, use the following procedure for cleaning.

1. Prepare a cleaning solution of one part mild neutral liquid detergent and six parts water.
2. Moisten a soft, lint-free cloth in the cleaning solution and then wring out all excess moisture from the cloth.
3. Wipe off the amplifier with the damp cloth.
4. Dry the amplifier by wiping it with a soft dry cloth.

## REPLACING THE FUSE

### (for variable mains voltage version)

Should the fuse blow, immediately unplug the amplifier from the mains supply. Replace the fuse with a new one of the same type and rating. If the fuse blows again after the amplifier is turned on, take the amplifier to an authorized Marantz service provider.

### IMPORTANT:

Using a fuse with a higher rating or slower action does not protect the amplifier and invalidates your warranty.

## REPAIRS

Only the most competent and qualified serviced technicians should be allowed to service this amplifier. Marantz and its factory-trained warranty personnel have the special knowledge and facilities required for the repair and calibration of this amplifier. After expiration of the warranty period, repairs can be performed for a separate charge.

Whenever you experience problems, first try to solve the problem yourself using the troubleshooting procedures provided on this page. If this does not work, contact your original dealer or write directly to your nearest service provider as listed on the Marantz Authorised Service Station list. When you write, be sure to include the model and serial number of your amplifier, together with a detailed description of the problem.

## TROUBLESHOOTING

Whenever you have a problem with the amplifier, check the following points before requesting service. What may seem to be a serious malfunction is often the result of a simple operational error. If you still have problems, contact your original dealer or write directly to your nearest service provider as listed on the Marantz Authorised Service Station list.

### The amplifier does not operate and indicators do not light.

1. Check to see if the power cord is correctly inserted into a power outlet.

### Indicators light, but the amplifier does not operate.

1. Check the **SELECTOR** and **VOLUME** settings.
2. Check to see if the supplied connecting pins are correctly inserted into the **PROCESSOR IN/OUT** jacks.

### Sound is being produced by only one speaker.

1. Check the **BALANCE** setting.
2. Turn off the amplifier and switch the connections of the left and right speaker cords. If the same speaker still does not produce sound, it probably means that the connection cord or the speaker itself is defective.

### Considerable humming is produced when playing from a turntable.

1. Check to see if the plugs from the turntable are properly connected to the amplifier's **PHONO** jacks.
2. Connect the turntable's ground wire to the **GND** terminal on the rear panel of the amplifier. If the ground wire is already connected, try disconnecting it.
3. Check to make sure that the turntable's phono cartridge is securely attached to the tone arm.
4. Unplug the amplifier's power cord, turn over the plug so the two blades go into opposite holes, and plug it back in.

### Cannot perform remote operation.

1. Make sure the remote control unit's (RC8000PM) transmitter is pointed directly at the amplifier's remote sensor when you perform a remote control unit operation.
2. Check for obstructions between the remote control unit's transmitter and the amplifier's remote sensor.
3. Check the batteries of the remote control unit.
4. Make sure there is no strong light (from a window or other source) shining on the amplifier's remote sensor.
5. Check to see if there is an **RCA** cord connected to the **REMOTE CONTROL IN** jack on the amplifier's rear panel.

## MODEL PM7000/PM8000 TECHNICAL SPECIFICATIONS (DIN)

### Power output (class AB operation)

RMS 8 ohms (20 Hz-20 kHz) .....	95 W
DIN 8 ohms .....	105 W
THD at 8 ohms RMS rated output .....	0.03%
Damping factor .....	150

### Power output (PM8000 classA operation)

RMS 8 ohms (20 Hz-20 kHz) .....	25 W
DIN 8 ohms .....	28 W
THD at 8 ohms RMS rated output .....	0.03 %
Damping factor .....	150

### IHF dynamic power (class AB operation)

8 ohms .....	120 W
--------------	-------

### IHF dynamic power (PM-8000 classA operation)

8 ohms .....	35 W
--------------	------

### Magnetic cartridge input

Input sensitivity impedance .....	2.5 mV/47 kOhm
Accuracy of frequency response to IEC RIAA .....	0.5 dB
Signal to noise ratio .....	85 dB

### Tuner/CD/Aux/Tape inputs

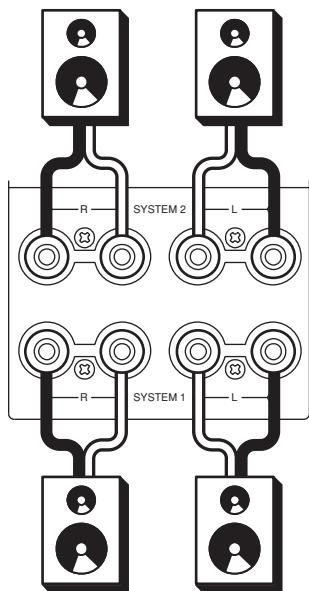
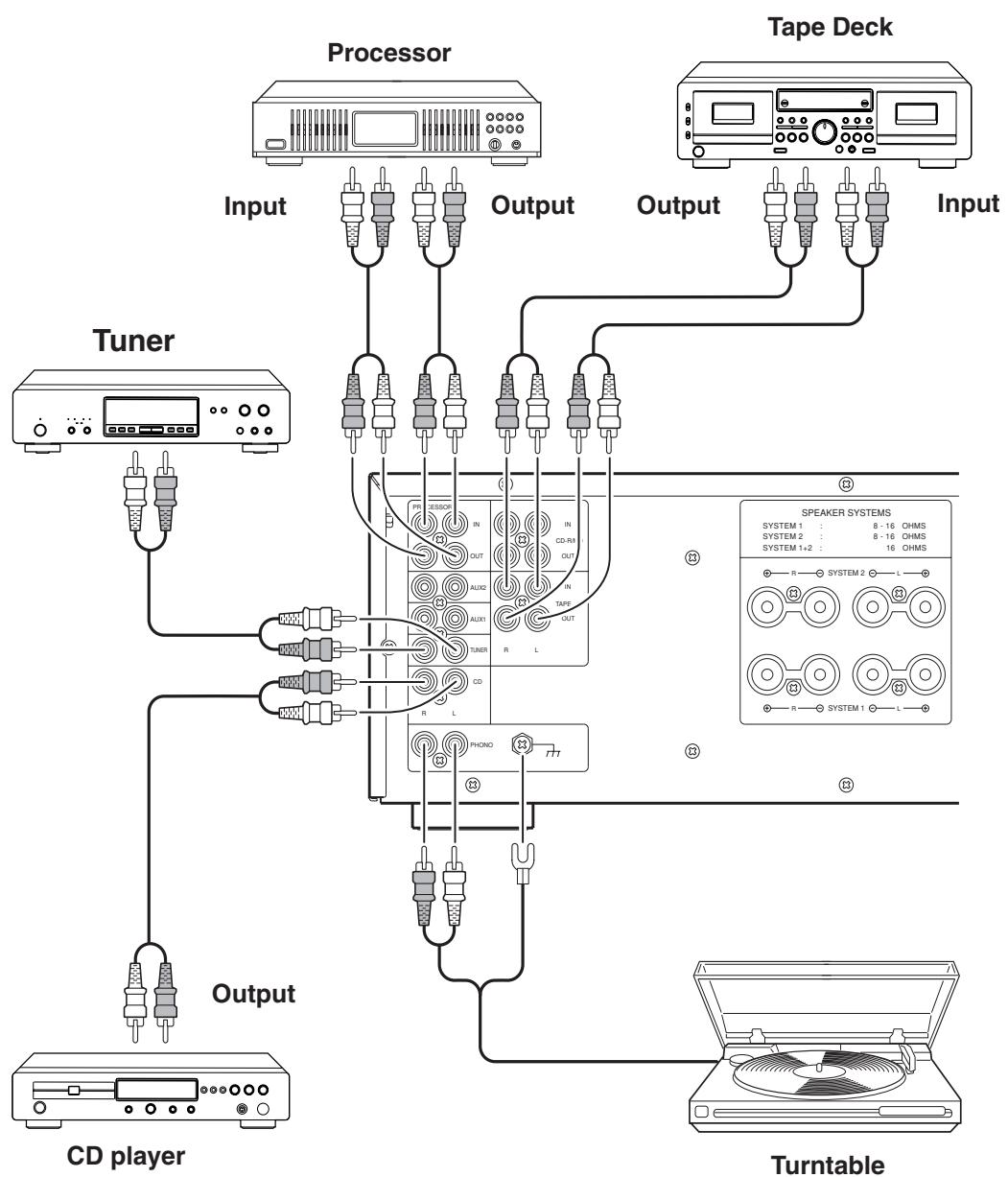
Input sensitivity impedance .....	150 mV/40 kOhm
Signal to noise ratio .....	88 dB
Frequency response (-1 dB limits, Source Direct) .....	10 Hz - 50 kHz
Tone characteristic (100 Hz and 10 kHz) .....	±8 dB
Channel separation (1 kHz/10 kHz, Source direct) .....	>80/>70 dB

### General

Power Requirements .....	230V AC, 50 Hz
Dimensions	
Width .....	440 mm
Height .....	159 mm
Depth .....	370.5 mm
Weight	
Unit alone .....	12.3 kg

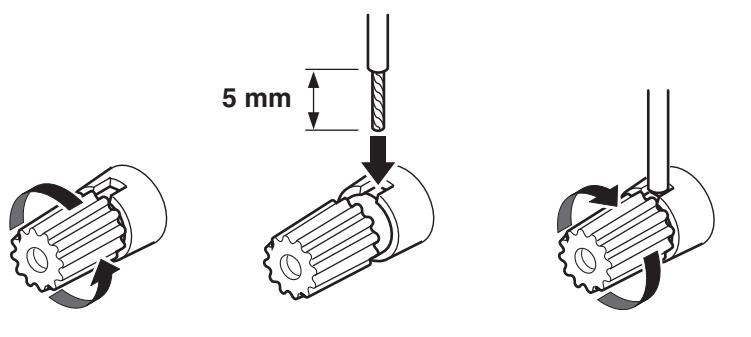
Specifications subject to change without prior notice.

## FIGURES



**NOTE:**

Turn the knobs on the speaker terminals by hand.  
(Do not use a tool to turn the knobs.)



Loosen the terminal

Insert the core

Tighten the terminal

**Connection of speaker cable**

Figure 1

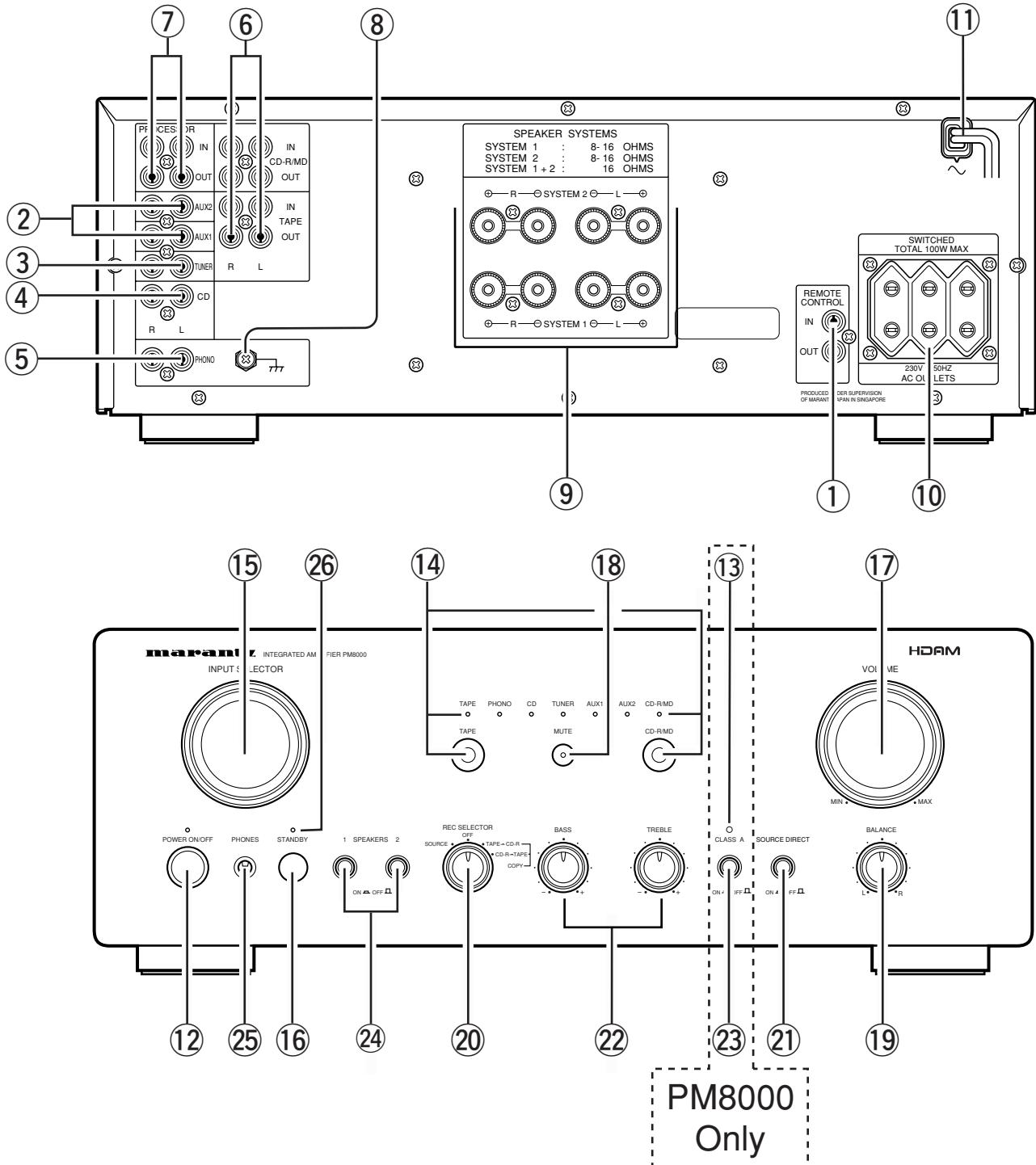


Figure 2

COUNTRY	COMPANY	ADDRESS
AUSTRALIA	Scan audio Pty. Ltd.	4 Station Street, Thornleigh NSW 2120, Australia
AUSTRIA	Huber & Prohaska GmbH	Taborstraße 95 / Ladestraße 1, Gebäude Hangartner, A-1200 Wien, Austria
BELGIUM	Van der Heyden Audio N.V.	Brusselbaan 278, 9320 Erembodegem, Belgium
BULGARIA	Ariescommerce GmbH	Makedonia Blvd. 16, 1606 Sofia, Bulgaria
CANADA	Lenbrook Industries Limited	633 Granite Court, Pickering, Ontario
CYPRUS	Empire Hifi systems Ltd.	P.O. Box 5604, Nicosia, Cyprus
CZECH REPUBLIC	Audio International	Fugnerova 1, 67801 Blansko, Czech Republic
DENMARK	Hi-Fi Klubben Denmark	Aboulevarden 1, DK-8000 Arhus C., Denmark
DUBAI	V.V.& SONS	P.O. Box 105, Dubai, U.A.E.
ESTONIA	Audio International Baltic	Lo Hu 12, EE0026 Tallin, Estonia
F.Y.R.O.M.	T.P. KODI	ul.Cedomir Kantargiev 21a, Skopje, Former Yugoslavian Republic of Macedonia
FINLAND	Hi-Fi Klubi Finland	Uudenmaankatu 4-6, SF-00120 Helsinki, Finland
FRANCE	Marantz France	A division of Marantz Europe B.V., P.O. Box 301, 92 156 Suresnes Cedex, France
GERMANY	Marantz Deutschland	Hakenbusch 3, 49078 Osnabrück, Germany
GREECE	Adamco S.A.	188, Hippocratic Street, 11471 Athens, Greece
HEADQUARTERS EUROPE:	Marantz Europe B.V.	Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands
HONG KONG	Marantz Asia Ltd.	Unit 1706, Metroplaza II, 223 Hing Fong Road, Kwai Fong, N.T., Kowloon, Hong Kong
HUNGARY	Infovox Ltd.	Terez Krt.31, 1067 Budapest, Hungary
ICELAND	Radiobudin HF	Skipholti 19, P.O. Box 424, 121 Reykjavik, Iceland
INDIA	Marantz India	c/o Philips India Ltd., Plot 80, Bhosari Industrial Estate Pune - 411026, India
IRAN	Home Co.	5th floor no 878 Philips Building Enghelab ave, P.O. 11365/7844 Tehran, Iran
IRELAND	Marantz Ireland	Clonskeagh, Dublin 14, Ireland
ISRAEL	Elmor Ltd.	52 Heh Beiyar Street, Kikar Hamedina, Tel Aviv, Israel
ITALY	Marantz Italy	Via Casati 23, 20052 Monza (Milano), Italy, Servizio Consumatori 1678-20026, Numero Verde
JAPAN	Marantz Japan Inc.	35-1 Sagami Ohno 7-Chome, Sagamihara-shi, Kanagawa 228-8505, Japan
KOREA	Mk Enterprises Ltd.	121-210, 2F Shinhan Bldg., 247-17 Seokyo-dong, Mapo-ku, Seoul, Korea
KUWAIT	alAlamiah Electronics Intl.	P.O. Box 8196, Salmiah 22052, Kuwait
LATVIA	Ace Ltd.	61, LacPlesa Str., Riga LV 1011, Latvia
LEBANON	AZ Electronics S.A., 1,	P.O. Box 11 2833, Beirut, Lebanon
LITHUANIA	A Accapella Ltd.	Ausros, Vartu G5, Pasazo Skg., 2001 Vilnius, Lithuania
MALAYSIA	Wo Kee Hong Electronics Sdn. Bhd.	102 Jalan SS 21/35, Damansara Utama, 47400 Petaling Jaya, Selangor Darul Ehsan, Malaysia
MALTA	Doneo Co Ltd.	78 The Strand, Sliema SLM07, Malta
MAURITIUS	SKR Electronics Ltd.	P.O. Box 685, Bell Village, Port Louis, Mauritius
NETHERLANDS	Marantz Trading	A division of Marantz Europe B.V., Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands
NEW ZEALAND	Scan audio Pty. Ltd.	4 Station Street, Thornleigh NSW 2120, Australia
NORWAY	Hi-Fi Klubben Norway	Lillegrensen 7, N-0159 Oslo, Norway
OMAN	Mustafa & Jawad Trading CO.	P.O. Box 1918, Ruwi, Oman
POLAND	Marantz Polska	Ul. Marszałkowska 45/49, 00-648 Warszawa, Poland
PORTUGAL	Corel2	Comércio de Electrónica Lda., Av. Luís Bivar, No 85 A, 1050 Lisboa, Portugal
PROFESSIONAL EUROPE	Marantz Professional Products	Kingsbridge House, Padbury Oaks, 575-583 Bath Road, Longford, Middlesex UB7 0EH, U.K.
PROFESSIONAL U.S.A.	Marantz Professional Products	Distributed by: Superscope Technologies Inc., 1000 Corporate Blvd. Ste.D, Aurora, Illinois
QATAR	Almana & Partners W.W.L.	P.O. Box 49, Doha, Qatar
REUNION	Vision +	180 Rue du Marechal Leclerc, 97400 Saint Denis, Ile de la Reunion
ROMANIA	Alltrom SRL	Soseaua Bucuresti, Ploiesti 10, Sector 1, Bucharest, Romania
RUSSIA	Trade Company SV	Bld. 2, 7 Montazhnaya Street, 107497 Moscow, Russia
SAUDI ARABIA	Ultimate Fidelity	Sameria Comm. Center, Roadah Dist., P.O. Box 7760, Jeddah 21472, Saudi Arabia
SINGAPORE	Forward Marketing (S) Pte. Ltd.	Wo Kee Hong Centre, 29 Leng Kee Road, Singapore 159099, Singapore
SLOVAKIA	Audio International Slovakia	Nam. SNP 10, 96001 Zvole, Slovakia
SLOVENIA	Bofex	Smartinska 152, HALA V/3, 61000 Ljubljana, Slovenia
SOUTH AFRICA	Coherent Imports (PTY) Ltd.	P.O. Box 1614, Alberton, 1450, South Africa
SPAIN	Marantz Spain	Martinez Villergas 2, Apartado 2065, Madrid 28027, Spain
SWEDEN	Hi-Fi Klubben A.B.	Tegnersgatan 21, S-412 52 Gotenborg, Sweden
SWITZERLAND	Sound Company AG	Postfach, 8010 Zürich, Switzerland
TAHITI	Covecolor	Av. Prince Hinoi, Cours de l'union sacré, P.O. Box 2334, Papeete, Tahiti
TAIWAN	Pai-Yuing Co. Ltd.	6th No 148 Sung Kiang Road, Taipei 10429, Taiwan R.O.C.
THAILAND	MRZ Standard Co. Ltd.	746-750 Mahachai Road, Wangburapa, Bangkok 10200, Thailand
TURKEY	Penta Elektronic	Sanayi Ve Ticaret Ltd. Sti., Selvi Kokak, No. 4/1, Senlikkoy, 34810 Florya, Istanbul, Turkey
U.K.	Marantz Hifi UK Ltd.	Kingsbridge House, Padbury Oaks, 575-583 Bath Road, Longford, Middlesex UB7 0EH, U.K.
U.S.A.	Marantz America Inc.	440 Medinah Road, Roselle, IL 60172, U.S.A.
YUGOSLAVIA	ITM	Ljutice Bogdana Ia, Belgrade, Yugoslavia
EXPORT	Marantz Trading	A division of Marantz Europe B.V., Building SFF-2, P.O. Box 80002, 5600 JB Eindhoven, The Netherlands

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